### Part V References

## Part II: Background

NJDEP, 1996. New Jersey 1996 State Water Quality Inventory Report. Office of Environmental Planning, Trenton, New Jersey.

NJDEP, 1998. <u>New Jersey 1998 State Water Quality Inventory Report.</u> Division of Science, Research and Technology. Trenton, New Jersey.

NJDEP, 1999. <u>New Jersey Source Water Assessment Plan</u>. Water Supply Element. Trenton, New Jersey.

NJDEP, 2000a. Report on the Establishment of Total Maximum Daily Load (TMDL) for Phosphorus in Lower Sylvan Lake, Burlington Township, Burlington County, NJ, June 12, 2000, Proposed Amendment to the Tri-County Water Quality Management Plan. Division of Watershed Management, Trenton, NJ.

NJDEP, 2000b. Report on the Establishment of Total Maximum Daily Load (TMDL) for Phosphorus in Strawbridge Lake, Moorestown Township, Burlington County, NJ, May 31, 2000, Proposed Amendment to the Tri-County Water Quality Management Plan. Division of Watershed Management, Trenton, NJ.

NJDEP, 2000c. <u>Updated NJDEP Nonpoint Source Management Program Plan.</u> June 19, 2000. Division of Watershed Management.

NJDEP, 2000d. <u>Revised Manual for New Jersey: Best Management Practices for Control of Nonpoint Source Pollution from Stormwater</u>. May 2000. Division of Watershed Management.

US Environmental Protection Agency. 1997. <u>Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates</u>. Assessment and Watershed Protection Division, Washington, DC. September, 1997.

### Part III: Surface Water Assessment

### **Chapter 1: Current Surface Water Monitoring Program**

NJDEP, 1992. <u>Field Procedures Manual</u>. New Jersey Department of Environmental Protection, Trenton, NJ.

NJDEP, 1998a. Surface Water Quality Standards. N.J.A.C. 7:9B. April, 1998

NJDEP, 1998b. <u>Warmwater Fisheries Management Plan</u>. January 1998. Division of Fish, Game and Wildlife, Bureau of Freshwater Fisheries, Trenton, NJ.

Plafkin, J.L., M.T. Barbour, K.D. Porter, S.K. Gross and R.M. Hughes, 1989. <u>Rapid Bioassessment Protocols For Use In Streams And Rivers - Benthic Macroinvertebrates And Fish.</u> EPAAA/44/4-89-002. US Environmental Protection Agency. Washington, D.C.

US Environmental Protection Agency. 1997. <u>Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates</u>. Assessment and Watershed Protection Division, Washington, DC. September, 1997.

USEPA, 1999. <u>The Helicopter Monitoring Report, A Report on the New York Bight Water Quality, Summers of 1997 and 1998</u>. EPA 902/R-99-001, February 1999.

## **Chapter 2: Plan for Achieving Comprehensive Assessments**

Ayers, M.A., 2000. <u>Representativeness of NJDEP's AMNET Network</u>. US Geological Survey, West Trenton, NJ.

USEPA, 1997. <u>Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305b Reports) and Electronic Updates</u>. US Environmental Protection Agency, Washington, D.C. USEPA-841-B-97-002A. September, 1997.

# **Chapter 3: Rivers and Streams Water Quality Assessment**

Ayers, M.A., J. Kennen, P. Stackelberg, 2000. <u>Water Quality in the Long Island - New Jersey Coastal Drainages New York and New Jersey 1994-1998</u>. US Geological Survey, West Trenton, New Jersey (in press).

Bauder, J, 1998. When is Water Good Enough for Livestock. Montana State University. Online. Internet. July 9, 2000.

Buxton, D.E., K. Hunchak-Kariouk and R.E. Hickman, 1998. <u>Relations of Surface-Water Quality to Streamflow in the Hackensack, Passaic, Elizabeth, and Rahway River Basins, New Jersey, Water Years 1976-93</u>. US Geological Survey Water-Resources Investigations Report 98-4049.

Buxton, D.E., K. Hunchak-Kariouk and R.E. Hickman, 1999a. <u>Relations of Surface-Water Quality to Streamflow in the Atlantic Coastal, Lower Delaware River, and Delaware Bay Basins, New Jersey, Water Years 1976-93</u>. US Geological Survey Water-Resources Investigations Report 98-4244.

Buxton, D.E., K. Hunchak-Kariouk and R.E. Hickman, 1999b. <u>Relations of Surface-Water Quality to Streamflow in the Wallkill and Upper Delaware River Basins, New Jersey, Water Years 1976-93.</u> US Geological Survey Water-Resources Investigations Report 99-4016.

Buxton, D.E., K. Hunchak-Kariouk and R.E. Hickman, 1999c. <u>Relations of Surface-Water Quality to Streamflow in the Raritan River Basin, New Jersey, Water Years 1976-93</u>. US Geological Survey Water-Resources Investigations Report 99-4045.

Chang, M., Kennen, J.G., Del Corso, E.J. 2000. <u>Evaluating Temporal Changes In Stream Conditions In Three New Jersey Basins By Using An Index Of Biotic Integrity</u>. The Bulletin of the Academy of Sciences v.45, no.1 p.1-12.

Follet, R.H. and Soltanpour,P, 1999. <u>Irrigation Water Quality Criteria</u>. Colorado State University Cooperative Extension. Online. Internet. July 9, 2000.

Food and Agriculture Organization of the United Nations, 1985. <u>Water Quality for Agriculture, Irrigation, and Drainage Paper No. 29</u>. Water Quality Bulletin, v.12, no. 1, Jan 1987.

Hickman, R.E. and T.H. Barringer, 1999. <u>Trends in Water Quality of New Jersey Streams</u>, Water Years 1986-95. US Geological Survey Water-Resources Investigations Report 98-4204. West Trenton, New Jersey.

NJDEP, 1992. <u>Field Procedures Manual</u>. New Jersey Department of Environmental Protection, Trenton, NJ.

NJDEP, 1997. <u>New Jersey's Non-Point Source Monitoring Strategy.</u> New Jersey Department of Environmental Protection, Trenton, NJ.

NJDEP, 1998. <u>1998 Identification and Setting of Priorities for Section 303(d) Water</u> Quality Limited Waters in New Jersey. Office of Environmental Planning, Trenton, NJ.

NJDEP, 1998. Surface Water Quality Standards. N.J.A.C. 7:9B. April, 1998

NJDEP, 1999a. <u>New Jersey Source Water Assessment Plan</u>. Water Supply Element. Trenton, NJ.

NJDEP, 1999b. <u>Ambient Biomonitoring Network; Watershed Management Areas 1, 2, and 11; Upper Delaware Region, 1998 Benthic Macroinvertebrate Data.</u> Water Monitoring Management, PO Box 418, New Jersey Department of Environmental Protection, Trenton, NJ 08625.

NJDEP, 2000. <u>Initial Surface Water Quality Characterization And Assessment Report</u> (Based on DEP Data) For Wallkill Watershed Management Area WMA 02 (Draft), June 1, 2000. Water Assessment Team, Division of Science Research & Technology. Trenton, NJ.

NJDEP, in press. <u>Living With the Future In Mind</u>. Division of Science Research & Technology. Trenton, NJ.

Plafkin, J.L., M.T. Barbour, K.D. Porter, S.K. Gross and R.M. Hughes, 1989. <u>Rapid Bioassessment Protocols For Use In Streams And Rivers - Benthic Macroinvertebrates And Fish.</u> EPAAA/44/4-89-002. US Environmental Protection Agency. Washington, D.C.

USEPA, 1997. <u>Guidelines for Preparation of the Comprehensive State Water Quality</u> Assessments (305(b) Reports) and Electronic Updates. EPA-841-B-97-002A.

USEPA, 1999. <u>The Helicopter Monitoring Report, A Report on the New York Bight</u> Water Quality, Summers of 1997 and 1998. EPA 902/R-99-001, February 1999.

US Geological Survey, 1996. <u>Water Resources Data, New Jersey Water Year 1995, Volume 1. Surface-Water Data.</u> USGS Water-Data Report NJ-95-1. West Trenton, New Jersey.

US Geological Survey, 1997. <u>Water Resources Data, New Jersey Water Year 1996.</u> <u>Volume 1. Surface-Water Data.</u> USGS Water-Data Report NJ-96-1. West Trenton, New Jersey.

US Geological Survey, 1998. <u>Water Resources Data, New Jersey Water Year 1997, Volume 1. Surface-Water Data.</u> USGS Water-Data Report NJ-97-1. West Trenton, New Jersey.

## **Chapter 4: Lake Water Quality Assessment**

NJDEP, 1998. <u>Warmwater Fisheries Management Plan</u>. January 1998. Division of Fish, Game and Wildlife, Bureau of Freshwater Fisheries, Trenton, NJ.

### **Chapter 5: Estuary and Coastal Assessment**

Braun, Randy. USEPA Region II, Monitoring and Assessment Branch, pers comm August, 2000.

DRBC. 1998. <u>Delaware River and bay Water Quality Assessment 1996-1997 305(b)</u> <u>Report, Delaware River Basin Commission, West Trenton, New Jersey, August 1998.</u>

Eisenreich, Steven J. and John Reinfelder, 2001, <u>Interim Report to the New Jersey Department of Environmental Protection</u>, <u>March 2001</u>, <u>The New Jersey Atmospheric Deposition Network</u>, Department of Environmental Sciences, Rutgers University, New Brunswick, NJ 08901.

Harrington, T and R. Auermueller, 6/2000. *Pers. Comm.* NJDEP, Cooperative Coastal Monitoring Program, Trenton, NJ.

ISC. 2000. <u>Year 2000 Comprehensive 305(b) State Water Quality Assessment of the Interstate Sanitation District</u>, Interstate Sanitation Commission, March 31, 2000.

Part V: References

Jaworski, N.A., Howarth, R.W. and L.J. Hetling, 1997. <u>Atmospheric Deposition of Nitrogen Oxides onto Landscape Contributes to Coastal Eutrophication in the Northeast United States</u>, Environ. Sci. Technol. 1997, 31, 1995-2004.

N.J.A.C. 7:9B New Jersey Surface Water Quality Standards

NJDEP 1998. <u>National Environmental Performance Partnership System, Performance Partnership Agreement with USEPA Region II, 1998-2000</u>.

NJDEP. 2000. New Jersey's Environmental Indicator Technical Report (DRAFT)

Seitzinger, S. P. and R.W. Sanders, 1999. <u>Atmospheric Inputs of Dissolved Organic Nitrogen Stimulate Estuarine bacteria and Phytoplankton</u>. Limnol. Oceanogr. 44:721-730.

USEPA. 1999. The Helicopter Monitoring Report, a Report of the New York Bight Water Quality, Summers of 1997 and 1998. USEPA Region 2, Division of Environmental Science and Assessment, Edison, NJ. EPA902/R-99-001. Feb. 1999.

Zimmer, B.J. and S. Groppenbacher, 1999. <u>New Jersey Ambient Monitoring Program Report on Marine and Coastal Water Quality, 1993-1997.</u> NJDEP, Bureau of Marine Water Monitoring, Leeds Point, New Jersey.

## **Chapter 6: Wetlands Assessment**

Anderson, J.R. E.E. Hardy, J.T. Roach, and R.E. Witmer. 1976. <u>A Land Use and Land Cover Classification System for Use with Remote Sensor Data</u>. Geological Survey Professional Paper 964. Washington, D.C.: U.S. Government Printing Office. 28 pp.

Dahl, T.E. 1990. Wetlands - losses in the United States 1780s to 1980s. Washington, D.C.: US Fish and Wildlife Service, Report to Congress, 13 pp.

Fretwell, J.D., J.S. Williams, and P.J. Redman. 1996. <u>National Water Summary on Wetland Resources</u>. U.S. Geological Survey Water-Supply Paper 2425. P.279-284.

Tiner, R.W., Jr. 1985. <u>Wetlands of New Jersey</u>. U.S. Fish and Wildlife Service, National Wetlands Inventory, Newton Corner, MA. 117 pp.

Torok, L.S., S. Lockwood, and D. Fanz. 1996. <u>Review and comparison of wetland impacts and mitigation requirements between New Jersey, USA, Freshwater Wetlands Protection Act and Section 404 of the Clean Water Act.</u> Environmental Management 20 (5):741-752.

# **Chapter 7: Public Health and Aquatic Life Concerns**

Belton, T.J. and J. Defina. 2000. <u>Pilot Study: GIS–Based Trackdown of Pollution Sources from Known Contaminated Sites to the NY/NJ Harbor</u>. (Proposal to USEPA Region 2, Harbor estuary Program: Funded FY 2000).

Belton, T.J., Ruppel, B. and K. Lockwood. 1982. <u>PCBs (Aroclor 1256) in Fish Tissues throughout the State of New Jersey: A Comprehensive Survey</u>. Office of Cancer and Toxics Substances Research, New Jersey Department of Environmental Protection. Technical Report. November 1982.

Belton, T.J., Hazen, R., Ruppel, B., Lockwood, K., Mueller, R. Stevenson, E. and J. Post. 1985. <u>A Study of Dioxin (2,3,7,8,-TCDD) Contamination in Select Finfish, Crustaceans and Sediments in New Jersey</u>. Office of Science and Research, New Jersey Department of Environmental Protection. Technical Report. October 1985.

Niles, L., Clark, K., Stansley, W. and T.J. Belton. 2000. <u>Monitoring Contaminants in Raptors in the Lower Delaware River Basin: Bioindicator Development and Source Trackdown</u>. (Proposal to NJDEP/DWM. Funded FY 2000).

NJDEP. 1994. Mercury Contamination in New Jersey Freshwater Fish. Report to the Toxics in Biota Committee. July 1994.

NJDEP/NJDHSS. 2000. <u>Pfiesteria: Background Information and Contingency Plan</u>. NJ Department of Environmental Protection and the NJ Department of Health and Senior Services, May 2000.

NJDEP. 2000a. New Jersey Fish and Wildlife Digest. Freshwater Fisheries. Vol. 13, No 2: January 2000.

NJDEP. 2000b. New Jersey Fish and Wildlife Digest. Marine Fisheries.Vol.13, No. 3: May 2000.

NOAA. 1997. The 1995 National Shellfish Registry of Classified Growing Waters, Office of Resources conservation and Assessment, National Ocean Service, National Oceanic and Atmospheric Administration, US Dept. Commerce, July 1997.

NY-NJ Harbor Estuary Program, 1996. <u>New York-New Jersey Harbor Estuary Program</u>, <u>Final Comprehensive Conservation and Management Plan</u>, March 1996.

### Part IV: Ground Water Assessment

Fusillo, T.V., Hochreiter, J.J., and Lord, D.G., 1984. <u>Water-Quality Data for the Potomac-Raritan-Magothy Aquifer System in Southwestern New Jersey, 1923-83</u>. USGS Open File Report 84-737.

Kozinski, J., Szabo, Z., Zapecza, O.S., and Barringer, T.H. 1995. <u>Natural Radioactivity in, and Inorganic Chemistry of, Ground Water in the Kirkwood-Cohansey Aquifer System in Southern New Jersey, 1983-89.</u> USGS Water Resources Investigations Report 92-4144.

Serfes, M.S. in press. <u>Ground Water Quality in the Bedrock Aquifers of the Highlands and Valley and Ridge Physiographic Provinces of New Jersey</u>. New Jersey Geological Survey Report.

Serfes, M.S. 1994. <u>Natural ground-water quality in bedrock of the Newark Basin, New Jersey</u>. New Jersey Geological Survey Report no. 35, 29p.

USGS, 1999 (in press). <u>Water Resources Data, New Jersey, Water Year 1999, vol. 3</u>. US Geological Survey Water Data Report NJ-99-3. Anticipated publication in fall 2000.